

## **ABSTRACT**

A position sensing system, specifically for elevators, comprising at least one sensor which is able to move relative to a transducer for the sensor. According to the invention, a scale is provided as a transducer, to which scale a code (11-15, 19) detectable by the sensor is applied  
5 by which the position of the sensor relative to the scale is able to be measured. As a result, it is possible to detect the absolute height of the elevator car, with the result that, depending on the code, a high level of precision may be achieved. In addition, the position sensing system may be employed for automated start-up operation, and the data measured may be utilized both for the control equipment and to meet safety requirements.